COBALT

COBALT / THE SECURITY SOLUTION

Cobalt high-security products cater to buildings with high risk potential such as detention centres, courthouses, police stations, prisons, barracks, banks, strategic sites (nuclear and others), etc. as well as so-called sensitive areas: jewellery shops, motorway toll stations and prisoner areas in hospitals.

These security requirements have led Technal to develop a range that meets the highest demands of this market in accordance with the European standards EN 1522 and 1523.

The Technal range’s defining feature is the possibility of installing aluminium or steel armour-plating inside door sections, fixed panels, sliding doors and curtain-walling.

This means that Technal’s COBALT range offers great flexibility when choosing the level of security, without sacrificing the original choice of joinery.

Thus, the ballistic classification levels range from FB2, FB3 to FB4 for aluminium armour-plating, and FB5, FB6 for steel armour-plating.
COBALT SLIDING DOOR
- 2-rail 150 mm outer frame for 2 or 3-leaf sliding doors.
- Rebated stainless steel rail.
- Double stainless roller bearings, easy opening, durable construction.
- Up to 300 kg per opening frame.
- Thermal break profiles.
- Integration with a fixed frame using linking mullions.

SEVERAL TYPES OF LOCKING SYSTEMS
- Pull handle.
- Central key-operated lock.
- Multipoint lateral lock.

MINIMUM DIMENSIONS
- 2 leaves: W = 977 mm
- 3 leaves: W = 1375 mm
Minimum width per opening frame: 492 mm
If there is a multipoint closure system: minimum height = 850 mm

COBALT SLIDING DOOR
- Articulation via 3-part hinges.
- Fixed using inserts.
- Lining with an off-centred axis, possible continuous adjustment of the perpendicularity.
- 3-part hinge with integrated bearing stop: easy to open.

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WEATHER PERFORMANCES
- Double barrier of gaskets on three sides.
- Threshold at the bottom and double strip gasket.
PERFORMANCE AND SECURITY

COBALT SLIDING DOOR
- Extremely high ballistic performance.
- Adaptable armour-plating, steel or aluminium sections.
- Infills from 39 to 61 mm, for larger sizes please contact us.
- Frame with a thermal break to meet thermal regulation requirements.

COBALT DOOR
- Extremely high ballistic performance.
- Adaptable armour-plating depending on the location, steel or aluminium sections are available.
- Maximum dimensions for a door: H = 2.35 m, W = 1.20 m
  Maximum weight of 240 kg with double cage profile.
- Glazing infill from 17 to 66 mm.

SCALABLE ARMOUR-PLATING

COBALT SLIDING DOOR
- Single or double row of armour-plating in steel or aluminium integrated into the outer or opening frame.
- Armour-plating designed to stop incident fire (angle shots in the double glazing inserts) in accordance with EN 1522 and 1523.

COBALT DOOR
- Single or double row of armour-plating in steel or aluminium integrated into the outer or opening frame.
- Complete armour-plating of profiles or up to man-height only.
SECTIONS

COBALT SLIDING DOOR

COBALT DOOR

Cross-section of an armour-plated airlock
## PERFORMANCE

### COBALT SLIDING DOOR

(in accordance with standards: NF EN 1522 and 1523)

<table>
<thead>
<tr>
<th>Class</th>
<th>Sliding door</th>
<th>Fixed panel/connector</th>
<th>Armour-plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB3 revolver (357 Magnum)</td>
<td>✓</td>
<td>✓</td>
<td>Aluminium</td>
</tr>
<tr>
<td>FB4 revolver (357 and 44 Magnum)</td>
<td>✓</td>
<td>✓</td>
<td>Aluminium</td>
</tr>
<tr>
<td>FB5 assault rifle (5,56)</td>
<td>✓</td>
<td>✓</td>
<td>Steel</td>
</tr>
<tr>
<td>FB6 assault rifle (5,56), and gun (7,62)</td>
<td>✓</td>
<td>✓</td>
<td>Steel</td>
</tr>
</tbody>
</table>

### WEATHER PERFORMANCE: A. E. V (A: Air, E: Water, V: Wind)

<table>
<thead>
<tr>
<th>Sliding door</th>
<th>Air permeability</th>
<th>Water tightness</th>
<th>Wind resistance</th>
<th>Record no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 armour-plated leaves W: 1,51 m x H: 1,31 m</td>
<td>Class 3</td>
<td>Class 7A</td>
<td>Class A3</td>
<td>Certificate CEBTP E213.3.070/1</td>
</tr>
</tbody>
</table>

### COBALT DOORS

(in accordance with French and European standards: NF EN 1522 and 1523)

<table>
<thead>
<tr>
<th>Class</th>
<th>Door + airlock</th>
<th>Armour-plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB2 automatic pistol (9 mm)</td>
<td>✓</td>
<td>Aluminium</td>
</tr>
<tr>
<td>FB3 revolver (357 Magnum)</td>
<td>✓</td>
<td>Aluminium</td>
</tr>
<tr>
<td>FB4 revolver (357 and 44 Magnum)</td>
<td>✓</td>
<td>Aluminium</td>
</tr>
<tr>
<td>FB5 assault rifle (5,56)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>FSG shotgun (12/70)</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

* 1-leaf door only

## APPLICATIONS

### COBALT SLIDING DOOR

2 leaves

3 leaves 2 rails

Composite frames

### COBALT DOORS

Outward opening door

Inward opening door

2-leaf outward-opening door

2-leaf inward-opening door

2-leaf door with side fixed light and transom

Airlock